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RAW SEQUENCE LISTING

DATE: 03/04/2002

PATENT APPLICATION: US/10/077,624

TIME: 15:58:29

Input Set : A:\EP.txt

Output Set: N:\CRF3\03042002\J077624.raw

```

2 <110> APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
3   WASHINGTON DENTAL SERVICE
4   Shi, WenYuan
5   Anderson, Maxwell
6   Morrison, Sherie
7   Trinh, Kham
8   Wims, Letitia
9   Chen, Li
10  Qi, Fengxia
12 <120> TITLE OF INVENTION: ANTI-MICROBIAL TARGETING CHIMERIC PHARMACEUTICAL
14 <130> FILE REFERENCE: 2101363-991200
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/077,624
C--> 16 <141> CURRENT FILING DATE: 2002-02-14
16 <150> PRIOR APPLICATION NUMBER: US 09/910,358
17 <151> PRIOR FILING DATE: 2001-07-19
19 <150> PRIOR APPLICATION NUMBER: US 09/378,577
20 <151> PRIOR FILING DATE: 1999-08-20
22 <160> NUMBER OF SEQ ID NOS: 31
24 <170> SOFTWARE: PatentIn version 3.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 563
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Synthesized using sequential PCR techniques
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37 tccagtgtga tagccacgct aagcggcacc acggatataa gcggaagttc cacgagaagc      120
39 accactcgca cagaggatac tctggtggcg gtggctcggg cggaggtggg tcgggtggcg      180
41 gcggatccga cgtgaagctt gtggagtctg ggggaggctt agtgaaccct ggagggtccc      240
43 tgaaactctc ctgtgcagcc tctggattca ctttcagtag ctataccatg tcttgggttc      300
45 gccagactcc ggagaagagg ctggagtggg tcgcatccat tagtagtggt ggtacttaca      360
47 cctactatcc agacagtgtg aagggccgat tcaccatctc cagagacaat gccagaaca      420
49 ccctgtacct gcaaatagacc agtctgaagt ctgaggacac agccatgtat tactgttcaa      480
51 gagatgacgg ctctacggc tcctattact atgctatgga ctactggggt caaggaacct      540
53 cagtcaccgt ctcttcagct agc                                     563
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59 <213> ORGANISM: Artificial sequence
61 <220> FEATURE:
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67 1          5          10          15
70 Lys His His Ser His Arg Gly Tyr
71          20
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76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Synthesized using sequential PCR techniques
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84 Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
85 1          5          10          15
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89 <211> LENGTH: 165
90 <212> TYPE: PRT
91 <213> ORGANISM: Artificial sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Synthesized using sequential PCR techniques
96 <400> SEQUENCE: 4
98 Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu
99 1          5          10          15
102 Lys His His Ser His Arg Gly Tyr Ser Gly Gly Gly Gly Ser Gly Gly
103          20          25          30
106 Gly Gly Ser Gly Gly Gly Gly Ser Asp Val Lys Leu Val Glu Ser Gly
107          35          40          45
110 Gly Gly Leu Val Asn Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala
111          50          55          60
114 Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met Ser Trp Val Arg Gln Thr
115 65          70          75          80
118 Pro Glu Lys Arg Leu Glu Trp Val Ala Ser Ile Ser Ser Gly Gly Thr
119          85          90          95
122 Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
123          100          105          110
126 Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Thr Ser Leu Lys Ser
127          115          120          125
130 Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg Asp Asp Gly Ser Tyr Gly
131          130          135          140
134 Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr
135 145          150          155          160
138 Val Ser Ser Ala Ser
139          165
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145 <213> ORGANISM: Artificial sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Synthesized using sequential PCR techniques
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151 ggatatccac catggacttc ggggttgagct tggttttcct tgtccttact ttaaaagggtg      60
153 tccagtgtaa gcggctgttt aaggagctca agttcagcct gcgcaagtac tctggtggcg      120
155 gtggctcggg cggaggtggg tcgggtggcg gcggatccga cgtgaagctt gtggagtctg      180
157 ggggaggctt agtgaacctt ggagggctcc tgaaactctc ctgtgcagcc tctggattca      240
159 ctttcagtag ctataccatg tcttgggttc gccagactcc ggagaagagg ctggagtggg      300
161 tcgcatccat tagtagtggg ggtacttaca cctactatcc agacagtgtg aagggccgat      360
163 tcaccatctc cagagacaat gccaagaaca ccctgtacct gcaaagacc agtctgaagt      420
165 ctgaggacac agccatgtat tactgttcaa gagatgacgg ctctacggc tcctattact      480
167 atgctatgga ctactggggg caaggaacct cagtcaccgt ctcttcagct agc      533
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171 <211> LENGTH: 14
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Synthesized using sequential PCR techniques
178 <400> SEQUENCE: 6
180 Lys Arg Leu Phe Lys Glu Leu Lys Phe Ser Leu Arg Lys Tyr
181 1          5          10
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185 <211> LENGTH: 155
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Synthesized using sequential PCR techniques
192 <400> SEQUENCE: 7
194 Lys Arg Leu Phe Lys Glu Leu Lys Phe Ser Leu Arg Lys Tyr Ser Gly
195 1          5          10          15
198 Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Val
199          20          25          30
202 Lys Leu Val Glu Ser Gly Gly Gly Leu Val Asn Pro Gly Gly Ser Leu
203          35          40          45
206 Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met
207          50          55          60
210 Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val Ala Ser
211 65          70          75          80
214 Ile Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly
215          85          90          95
218 Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln
219          100          105          110
222 Met Thr Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg
223          115          120          125
226 Asp Asp Gly Ser Tyr Gly Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly
227          130          135          140
230 Gln Gly Thr Ser Val Thr Val Ser Ser Ala Ser
231 145          150          155
234 <210> SEQ ID NO: 8
235 <211> LENGTH: 89
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial sequence

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239 <220> FEATURE:
240 <223> OTHER INFORMATION: Primer 986
242 <400> SEQUENCE: 8
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245 ggcgatccg acgtgaagct tgtggagtc 89
248 <210> SEQ ID NO: 9
249 <211> LENGTH: 84
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Primer 987
256 <400> SEQUENCE: 9
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259 aagcaccact cgcacagagg atac 84
262 <210> SEQ ID NO: 10
263 <211> LENGTH: 74
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Primer 988
270 <400> SEQUENCE: 10
271 gatateccacc atggacttcg ggttgagctt ggttttcctt gtccttactt taaaagggtg 60
273 ccagtgtgat agcc 74
276 <210> SEQ ID NO: 11
277 <211> LENGTH: 87
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Primer 989
284 <400> SEQUENCE: 11
285 gttcagcctg cgcaagtact ctggtggcgg tggctcgggc ggaggtgggt cgggtggcgg 60
287 cggatccgac gtgaagcttg tggagtc 87
290 <210> SEQ ID NO: 12
291 <211> LENGTH: 69
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Primer 990
298 <400> SEQUENCE: 12
299 gtccttactt taaaagggtg ccagtgtgag cggctgttta aggagctcaa gttcagcctg 60
301 cgcaagtac 69
304 <210> SEQ ID NO: 13
305 <211> LENGTH: 65
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Primer 991
312 <400> SEQUENCE: 13
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315 tccag 65
318 <210> SEQ ID NO: 14
319 <211> LENGTH: 39
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Primer 452
326 <400> SEQUENCE: 14
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330 <210> SEQ ID NO: 15
331 <211> LENGTH: 18
332 <212> TYPE: PRT
333 <213> ORGANISM: Artificial sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Protegrin PG-1
338 <400> SEQUENCE: 15
340 Arg Gly Gly Arg Leu Cys Tyr Cys Arg Arg Arg Phe Cys Val Cys Val
341 1 5 10 15
344 Gly Arg
348 <210> SEQ ID NO: 16
349 <211> LENGTH: 57
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Protegrin PG-1
356 <400> SEQUENCE: 16
357 aggggagggtc gcctgtgcta ttgtaggcgt aggttctgcg tctgtgtcgg acgagga 57
360 <210> SEQ ID NO: 17
361 <211> LENGTH: 18
362 <212> TYPE: PRT
363 <213> ORGANISM: Artificial sequence
365 <220> FEATURE:
366 <223> OTHER INFORMATION: Novispirin G10
368 <400> SEQUENCE: 17
370 Lys Asn Leu Arg Arg Ile Ile Arg Lys Gly Ile His Ile Ile Lys Lys
371 1 5 10 15
374 Tyr Gly
378 <210> SEQ ID NO: 18
379 <211> LENGTH: 36
380 <212> TYPE: DNA
381 <213> ORGANISM: Artificial sequence
383 <220> FEATURE:
384 <223> OTHER INFORMATION: Forward primer 1
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390 <210> SEQ ID NO: 19
391 <211> LENGTH: 23
392 <212> TYPE: DNA
393 <213> ORGANISM: Artificial sequence

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/077,624

DATE: 03/04/2002

TIME: 15:58:30

Input Set : A:\EP.txt

Output Set: N:\CRF3\03042002\J077624.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date